## BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work: Improvements to roads and drains at Nagenahalli SC/ST Colony and surrounding areas in Ward No. 02 of Yelahanka Sub division**

| Sl No | Description of work | Unit | No | Length m | Breadth m | Depth m | Quantity | Rate in Rs | Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I No- | | | | | | | | |
| | **For RCC Drain** | Cum | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 1 | 266.00 | 1.40 | 1.00 | 372.40 | | |
| | **Nagenahalli** | | | | | | | | |
| | 5th A cross | | 1 | 120.00 | 1.20 | 1.10 | 158.40 | | |
| | cross road -1 | | 2 | 84.00 | 1.20 | 1.00 | 201.60 | | |
| | cross road -2 | | 2 | 110.00 | 1.20 | 1.00 | 264.00 | | |
| | For RCC Culvert | | 8 | 5.50 | 1.60 | 1.00 | 70.40 | | |
| | Debris | | 1 | 85.00 | 1.50 | 0.30 | 38.33 | | |
| | | | | | | | **1105.13** | 215.28 | **237911.83** |
| | Basic Rate Rs.= | 130.00 | | | | | | | |
| | Add 6% A.W Rs. = | 7.80 | | | | | | | |
| | **Sub Total =** | 137.80 | | | | | | | |
| | 8Km Lead, Loading and Unloading =(2*1.28*8)+57 | 77.48 | | | | | | | |
| | **Total Rate Rs. =** | **215.28** | | | | | | | |
| 2 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3 6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0 89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications (P No-222,I No-27 18) | | | | | | | | |
| | **For Drain** | Cum | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 1 | 266.00 | 1.40 | 0 15 | 55 86 | | |
| | **Nagenahalli** | | | | | | | | |
| | 5th A cross | | 1 | 120.00 | 1.20 | 0 15 | 21 60 | | |
| | cross road -1 | | 2 | 84.00 | 1.20 | 0 15 | 30 24 | | |
| | cross road -2 | | 2 | 110.00 | 1.20 | 0 15 | 39 60 | | |
| | **For Kerb stone** | Nos | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 1 | 266.00 | 0 20 | 0 15 | 7 98 | | |
| | For RCC Culvert | | 8 | 5.50 | 1.60 | 0 15 | 10 56 | | |
| | | | | | | | **165.84** | 5421.90 | **899167.90** |
| | Basic Rate Rs.= | 5115.00 | | | | | | | |
| | Add 6% A.W Rs. = | 306.90 | | | | | | | |
| | **Total Rate Rs. =** | **5421.90** | | | | | | | |
| 3 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0 69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) | | | | | | | | |
| | **For RCC Drain** | Cum | | | | | | | |
| | Bottom slab | | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 1 | 266.00 | 1.30 | 0.15 | 51.87 | | |
| | **Nagenahalli** | | | | | | | | |
| | 5th A cross | | 1 | 120.00 | 1.10 | 0.15 | 19.80 | | |
| | cross road -1 | | 2 | 84.00 | 1.10 | 0.15 | 27.72 | | |
| | cross road -2 | | 2 | 110.00 | 1.10 | 0.15 | 36.30 | | |
| | side walls | | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 2 | 266.00 | 0.15 | 0.80 | 63.84 | | |
| | **Nagenahalli** | | | | | | | | |

| Sl No | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | in Rs | in Rs |
| | 5th A cross | | 2 | 120.00 | 0.15 | 0.80 | 28.80 | | |
| | cross road -1 | | 4 | 84.00 | 0.15 | 0.65 | 32.76 | | |
| | cross road -2 | | 4 | 110.00 | 0.15 | 0.65 | 42.90 | | |
| | | | | | | | **303.99** | | |
| | For RCC Culvert | | | | | | | | |
| | Raft | | | | | | | | |
| | side walls | | 8 | 5.50 | 1.40 | 0.20 | 12.32 | | |
| | | | 16 | 5.50 | 0.20 | 0.60 | 10.56 | | |
| | | | | | | | **22.88** | | |
| | Basic Rate Rs.= | 6670.00 | | | Net Qty. | | **326.87** | 7070.20 | **2311036.27** |
| | Add 6% A.W Rs. = | 400.20 | | | | | | | |
| | **Total Rate Rs. =** | **7070.20** | | | | | | | |
| 4 | KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19) | | | | | | | | |
| | Considering steel For Drain @ 70 kg / cum | Tonne | | 303.99 | 0.070 | -- | 21.28 | | |
| | Considering steel For Culvert @ 100 kg / cum | | | 22.88 | 0.100 | -- | 2.29 | | |
| | | | | | | | **23.57** | 73992.24 | **1743797.32** |
| | Basic Rate Rs.= | 69804.00 | | | | | | | |
| | Add 6% A.W Rs. = | 4188.24 | | | | | | | |
| | **Total Rate Rs. =** | **73992.24** | | | | | | | |
| 5 | Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | For drain cover slab | Sqm | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 1 | 266.00 | 1.20 | -- | 319.20 | | |
| | **Nagenahalli** | | | | | | | | |
| | 5th A cross | | 1 | 120.00 | 0.90 | -- | 108.00 | | |
| | cross road -1 | | 2 | 84.00 | 0.90 | -- | 151.20 | | |
| | cross road -2 | | 2 | 110.00 | 0.90 | -- | 198.00 | | |
| | | | | | | | **776.40** | 2337.00 | **1814446.80** |
| 6 | Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in- | | | | | | | | |
| | For Culvert Slabs | Sqm | 8 | 5.50 | 1.40 | -- | **61.60** | 5418.00 | **333748.80** |
| 7 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete ,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19) | | | | | | | | |
| | **For Drain** | Nos | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 1 | 266.00 | | | 266.00 | | |
| | | | | | | | 266.00 | | |
| | | | | | | | **591.00** | 432.48 | **255595.68** |
| | Basic Rate Rs.= | 408.00 | | | | | | | |
| | Add 6% A.W Rs. = | 24.48 | | | | | | | |
| | **Total Rate Rs. =** | **432.48** | | | | | | | |
| 8 | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19) | | | | | | | | |
| | **For Drain** | Sqm | | | | | | | |
| | **Harohalli colony** | | | | | | | | |
| | Temple Road | | 1 | 266.00 | 0.40 | | 106.40 | | |
| | | | | | | | **106.40** | 84.80 | **9022.72** |
| | Basic Rate Rs.= | 80.00 | | | | | | | |
| | Add 6% A.W Rs. = | 4.80 | | | | | | | |
| | **Total Rate Rs. =** | **84.80** | | | | | | | |
| | | | | | | | Sub Total 1 Rs. | | **7604727.31** |

| Sl No | Description of work | Unit | No | Length m | Breadth m | Depth m | Quantity | Rate in Rs | Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| | Add GST @ 12% | | | | | | | | 912567.28 |
| | Add KRIDL @ 4% | | | | | | | | 304189.09 |
| | DPR & PMC Charges including GST | | | | | | | | 178000.00 |
| | | | | | | | | Sub Total 2 Rs | 8999483.68 |
| | Miscellaneous & Rounding off | | | | | | | | 516 32 |
| | | | | | | | | Total Rs | 9000000.00 |

**CERTIFICATE:**

1. The work spot has been inspected by me and the work is found to be necessary
2. The estimate is prepared as per PW, P&IWTD S R Bangalore circle for the year 2018-2019
3. The Provisions made in the estimate are quite necessary and adequate
4. The area comes with in the BBMP limits.

Assistant Engineer
Ward 02
BBMP

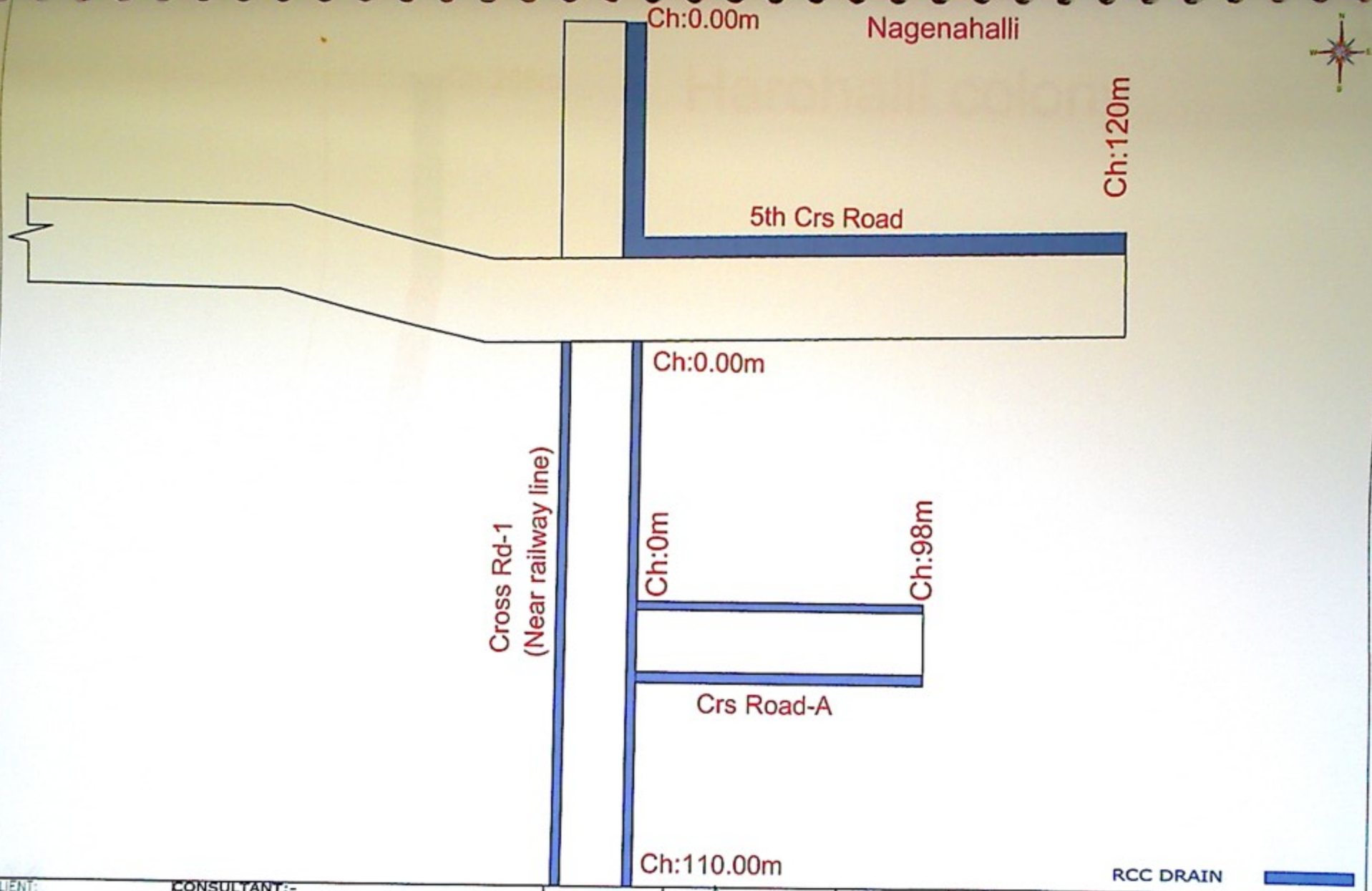
Assistant Executive Engineer
Yelahanka Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs 90.00 Lakhs
Ninety Lakhs only
is accorded under head P-3727
Chief minister Navanagarothana
grants 2018-19
Registered as CE No
Subject
EE/YNK/AS/30/2019-20 28/10/2019
Executive Engineer

Technical Sanction
Accorded For Rs 90.00 lacs only
Head of A/C 12.3727
CER NO : 108 Dt: 28.10.2019

TA CE (YNK)




CLIENT:
BRUHAT BANGALORE MAHANAGARA PALIKE

CONSULTANT:-
NEWZEN CONSULTANTS BANGALORE
#13,10th MAIN 2nd CROSS, JNANAJYOTHI NAGARA, JNANA BHARATHI, BANGALORE – 560 056
PH 8792620231, E-mail: kumar.vinay631@gmail.com

Assitante Engineer | Assitante Executive Engineer | Executive Engineer

Dwg Title: Improvements to Roads And drains at SC/ST Colony and surrounding area in Ward No-04 of Yelahanka sub division

Dwg no:

scale: N.T.S

Date

Rev: R0